

WHAT IS CLAIMED IS:

1. A portable communication device, comprising:
a body housing including an upper housing with a flexible board circuit (FBC)
5 on which a keypad is mounted, a lower housing vertically spaced from the upper
housing by a predetermined distance and including a printed circuit board (PCB)
assembly, and a middle housing between the upper housing and the lower housing,
separated from the lower housing by a separation plate for blocking electromagnetic
waves generated from the PCB assembly, and having a slot opened from an end ; and
10 a sliding battery pack insertable into said slot and attachable to and detachable
from the middle housing in a lengthwise direction, for supplying power to the portable
communication device.
2. The portable communication device of claim 1, wherein the sliding
15 battery pack includes at least one connection port .
3. The portable communication device of claim 1, wherein the sliding
battery pack includes at least one charging port at an exposed end when inserted into
said slot and at least one connection port .
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4. The portable communication device of claim 1, further comprising a
locking device for locking the sliding battery pack in the slot when inserted into said
slot .
- 25 5. The portable communication device of claim 4, wherein the locking
device comprises:
a locker having two free ends with respect to a hinge shaft, one of the free ends
exposed from a side end of the middle housing to be pressed externally and the other
free end disposed in the middle housing to lock the sliding battery pack; and
30 a locking groove formed at a predetermined position of a side end of the sliding
battery pack to mate with the other free end of the locker that rotates when the one free
end of the locker is pressed.

6. The portable communication device of claim 5, wherein a second locking device is installed to make with a second locking groove located at a second predetermined position on a second side and of said sliding battery pack.

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7. A portable communication device, comprising:

an upper housing having a keypad;

a lower housing connected to said upper housing, said lower housing having a printed circuit board (PCB) connected to said keypad;

10 a battery pack connectable between said upper housing and said lower housing;
and

a separation plate located between said battery pack and said lower housing for reducing a specific absorption rate of electromagnetic waves generated from said PCB.